

SCR 522 Transceiver 2 meter or 2/6/10 on Trans. complete with tubes and 4 random crystals	L/N	\$19.95
R4/ARR2 Versatile Receiver	New	4.95
T61/AXT2 420 MC Transmitter	New	15.95
BC 929 Scope	New	10.95
ID59/APAII Scope	L/N	14.95
BC 375 Transmitter (less T. U.)	Exc.	12.95
RM 52 Phone Patch	New	1.95
SA 325/U Coaxial Switch (See Aug. 73)	L/N	12.95
RTTY SSB Etc.—etc. Versatile Multimatch Transformer also phone patch	New	.79
BC 433 B/C Band Rec. (400 cycle)	Exc.	9.95
Ni-Cad Batteries 1.2V		1.75
Blower AC-DC 12 V to 65 V		2.95
MD 7 Modulator	New 7.95—Used	5.95
BC 458 (T21) 5-7 MC	New 7.95—Used	4.95
BC 457 (T20) 4-5.3 MC	New 7.95—Used	4.95
T 18 2-3 MC	New 7.95—Used	4.95
BC 1206 200-400 KC Rec. Less Tubes		1.95
R28/ARC 5 VHF Receiver 100 to 156 mc		19.95
T47/ART 13 Transmitter complete w/tubes		47.50
Crystals Send self addressed envelope for list		
Beam Filter or lazy man's Q-5'er		1.95
Antenna Wire Copper weld #14-2200ft coil		7.50
RG8A/U 35ft with PL 259 each end		3.69
RG8A/U 15ft with PL 259 each end		1.69
RG54/U 65ft for 2.50 370ft for 9.95		

MOTOR SPECIAL Fasco type 6
115v-60cy 1750 rpm, dual 1/4" shaft 3 3/8" dia x 2 1/2"
shipping weight 3 1/2 lbs **\$1.98 ea 3 for \$5.00**

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SCR-522 Modulation Transformer new **\$2.25 delivered**
T C S Modulation Transformer, 6,000Z C.T. to 6,000Z **\$1.69 delivered**
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Door knob 500 mmf. 20,000V	.30
4 mfd. 2000V G.E. Pyranol	1.90
.0004 10,000V mica 1.8 amp. with corona balls—	
Aerovox	.60
Wire Wound Resistors Pkg. of 25 assorted 5 to 25W	1.98
Tube Socket—Johnson #122-237-1 for 813's	.60
Diodes 1N55B PIV 150 V 500 microamp	.30
Diodes 2N264	.20
Trans. 2N224	.50
Trans. 2N414	.40
Var. Cond.—Johnson #149-7-2 Type R 150 mmf.	.75
Johnson Var. Cond. 2 sect. 416 mmf. per section	
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15W Wire	.50
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60 cy. Sec. 1120V. CT 150 Mil; 5V 3A; 6.3V	
3A; 7.5V 2.5A	4.75
Westinghouse Fil. Trans.—Pri. 115V 60 cy.; Sec.	
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S meter #112-005 1-30 db—used in some Gonset	
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73 Tests The



Wayne Green W2NSD/1

Listening in on our bands, one might be inclined to suspect that amateurs are incapable of agreeing on anything. There is one area of rather complete agreement however: our bands are miserably crowded.

There are many approaches to meeting the challenge of trying to get through the QRM curtain. Some chaps string up one antenna after another, others build up rather impressive final amplifiers, some just build bigger modulators, some wait until the wee hours of the morning, etc. But, even after you've moved to that salt marsh on top of the mountain, put up the hundred foot tower with the twelve element beam, and done everything else known to man to put out a signal, there is still an area for improving the punch your signal puts into that DX receiver.

Naturally you can get the same improvement in punch with any rig. The idea is to increase the percentage of modulation or (in the case of SSB) the average power output without creating the splatter that accompanies your turning up the gain control. When you try to get through a little better by increasing your mike gain you flattop on the positive peaks and clip on the negative peaks. The result is a bandful of furious hams and not much improvement in your ability to get out.

There is, of course, nothing really new about using clippers or compressors to increase the modulation percentage of transmitters and many designs of both have been around for a long time. The Metrodynamics Compreamp is a much more modern application with a two transistor logarithmic compressor, matched silicon diodes in the clipper and a cleverly designed RC filter to eliminate the harsh resultant frequencies usually associated with clippers. The result is a smoothly working compressor which connects between your mike and your mike jack.

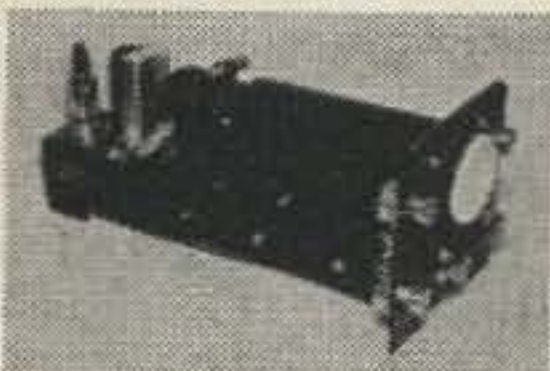
It is obvious that the Compreamp will change the sound of your voice a bit as more compression is used. Thus you would normally

run it with the control in the off position and would increase the compression when fading or QRM become apparent. It sometimes seems almost magical how your voice can get through a seeming solid wall of QRM even though you may be running lower power than a lot of the big boys on the channel . . . unless, of course, one of the big boys has a compressor too.

The Compreamp is small, being transistorized, and costs only \$13.95 complete with built in battery. Write Metrodynamics Corp., 8 Westover Avenue, Caldwell, New Jersey for info.

. . . W2NSD/1

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